

#### ABSTRACT OF THE DISCLOSURE

A riding simulation system for providing an operator with a pseudo-experience of a running motorcycle. A steering handle mechanism of the system which enables the operator to perform steering operations is turnably held on a frame body and a connection shaft is supported to be inclinable relative to the frame body through an inclination lock mechanism. The connection shaft is provided to be extendable and contractable along the axial direction thereof through an extension/contraction lock mechanism, so that the position of a pedal mechanism mounted on the lower side of the connection shaft can be displaced to a desired position relative to the position of the steering handle mechanism. The system also includes a vibrator and a click generator to simulate the vibration of a motor and the sound of gear shifting, as well as a mechanism to simulate a reaction force to a steering handle.